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(71) Applicant (for all designated States except US): **JOHNSON CONTROLS TECHNOLOGY COMPANY** [US/US]; 650 Waverly, Holland, MI 49423 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANDERSON, Rick, A.** [US/US]; 13636 Lincoln Street, Grand Haven, MI 49417 (US). **RUITER, Andrew, K.** [US/US]; 13137

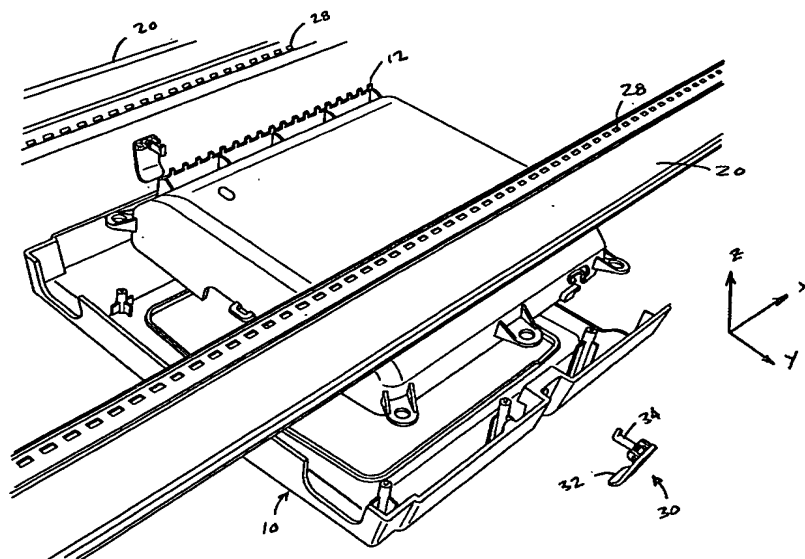
Acacia Drive, Grand Haven, MI 49417 (US). **HODGSON, Thomas, S.** [US/US]; 1009 East 10th Street, Holland, MI 49423 (US). **FOX, Mathias, R.** [US/US]; 4563 Majestic Vue, Zeeland, MI 49464 (US). **SPOERRE, Steven, M.** [US/US]; 3979 62nd Street, Holland, MI 49423 (US). **KALIS, Matthew, A.** [US/US]; 3703 Black Creek Drive, Hudsonville, MI 49426 (US). **ANDERSON, Kermit, M.** [US/US]; 290 Sandy Court, Holland, MI 49424 (US). **JONES, Bryan, T.** [US/US]; 1361 Spinnaker Court, Holland, MI 49424 (US). **KADZBAN, Mark, P.** [US/US]; 304 Maier Court, Grandville, MI 49418-2171 (US). **THOMPSON, Joseph, M.** [US/US]; 3390 Creek Court, Holland, MI 49424 (US).

(74) Agent: **LAZARUS, John, M.**; Foley & Lardner LLP, 777 East Wisconsin Avenue, Milwaukee, WI 53202-5306 (US).

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[Continued on next page]

(54) Title: ATTACHMENT SYSTEM FOR MODULES IN A VEHICLE



(57) Abstract: An attachment system for coupling a module (10) to a rail member (20) on an interior portion of a vehicle is disclosed and includes a latching member (30). The latching member includes a projection (38) configured to operably engage the rail member (20) by rotation of the lever (32). An attachment system for coupling a module (20) to a vehicle is also includes a latch device (30) having a hook member (78) pivotally coupled to a lever (72) so that movement of the lever (72) operates the hook (78) as an over-center device to releasably engage the rail member. An attachment system also includes a flange extending from the latch device and configured to engage a recess on the rail member.



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/013880

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60R11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 830 531 A (CONDIT TIMOTHY B ET AL) 16 May 1989 (1989-05-16) figure 2	1-7,9, 11,12
X	EP 1 245 446 A (SAI AUTOMOTIVE ALLIBERT IND ; RENAULT SA (FR)) 2 October 2002 (2002-10-02) the whole document	1-7, 10-14
X	EP 0 775 838 A (WALRAVEN J VAN BV) 28 May 1997 (1997-05-28) figure 4	1-3,5,6, 13,14
X	CA 2 245 311 A (ATOMA INT INC) 19 February 1999 (1999-02-19) figure 4	1,2,5,6, 13,14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

8 September 2004

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24. 11. 04

Name and mailing address of the ISA

European Patent Office, P.B 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Douhet, H

INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>FR 2 664 440 A (MERLIN GERIN) 10 January 1992 (1992-01-10) figures 2-4</p> <p>-----</p>	<p>1-7,9, 11,12</p>

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/013880

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos..
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos..
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-14

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

Claims 1-7,9-12 : Attachment system with at least a projection (foot) to engage with the rail, a slot for rotating the latch device.

Claims 1,8 : Attachment system wherein the latch device is configured for concealment beneath a movable panel.

Claims 1,13-14 : Attachment system with at least a projection (foot) to engage with the rail and a lever for rotating the latch device.

2. claims: 1,15-16

attachment system with a hook portion

3. claims: 1,17

attachment system with a flange

4. claims: 1,18-20

attachment system with a wing

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/013880

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